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The present volume is the first printed catalogue of the Patent Office Library since its organization, except a small classified list of some thirty pages, published in 1847,* when the Library consisted of a thousand volumes, the mere germ of what it has since become by the accumulations of more than forty years. It now contains some twenty-four thousand volumes, not including pamphlets and duplicate specifications of patents.

The labor of cataloguing having been in progress, at intervals, for a number of years, and by different hands, and the cumbrous card-catalogue being practically useless for general reference, the speedy publication of an index in some form was imperatively demanded; and it has been deemed best to issue it upon the present plan, although it was well known to be impracticable, under the circumstances, to secure that absolute uniformity so much desired in works of this kind.

The arrangement of this index by authors and subjects together has been made primarily, and almost exclusively, with a view to the special use for which the Library was designed: for easy reference by Examiners in the Patent Office and those interested in the examinations of claims for patents.

A few books deposited under copyright were retained when the transfer of the copyright Library was made to the Library of Congress, which will explain some of the more miscellaneous entries in a purely scientific or technical collection.

In the "Additions" will be found all accessions to the Library to April 30, 1878, besides many small pamphlets and a few other works omitted in the earlier cataloguing, which could only be inserted after the body of the catalogue had gone to press. The Law Library is given separately at the end of the volume.

This work, however imperfect, is an attempt to render more available this valuable collection of books, and, though greatly in advance of anything hitherto issued from the Library, is only to be regarded as a step toward something more perfect in the future, when a full subject-matter index shall be completed.

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The types used in the following pages are as follows :—

Authors, full-faced, as:—**Abbott**, Henry L., etc.

First word entry, biography, and ordinary references, in antique, as:—**Annuaire du cosmos**, etc.; **Frémont**, John C., *Life of*. See **Upham**, C. W.

Subjects, antique caps, as:—**ACONITE**, etc.

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References to volumes in a set, in antique, without the word *See*, as:—**Abridgments English Patents**, No. 10.; **Smiths'n contrib.**, v. 9.; **9 Manuals Roret**; etc.

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 Erfahrungen gegründet. Für Bergschu-
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12. Fleischerhandwerk. Schlachten; Gewicht-schätzung; Kennzeichen des kranken Viehes; Schächten der Juden; Wurstbereitung; Aufbewahrung des Fleisches; Trocknen; Einsalzen; Räuchern; Einsäuern; Einzuehnen; und Benutzung der Knochen. G. P. F. Thon. 2te Aufl. von Friedr. A. Reimann. Mit Atlas. 1842.
13. Kochkunst für Feinzügliger und für bürgerliche Haushaltungen. Mit Abbildung von Speisekarten und Register. Friedr. Wilh. Huth. 2te Aufl. 1838.
14. Lackirkunst. Vollständige Anleitung. F. G. Thon. 1835.
15. Drechkunst in Holz, Horn, Elfenbein, Metall etc. Verzierung, Poliren und Lackiren der Drechselerarbeiten. D: Theod. Thon. 4te Aufl. C. H. Schmidt. Mit Atlas. 1843.
16. Der vollkommene Parfumeur; Pommaiden, Puder, Extracte, Tincturen, Essenzen, Oele, Emulse, Opiste, Seifen, Räucherkerzchen und Pulver, Bäder, Schminken, etc. Aus dem Französischen. 2te Aufl. Mit Atlas. 1848.
17. Indigofabrikation aus Indigofera, Wrightia tinctoria und Polygonum tinctorium. Merkmale, Prüfung und Werth-Bezeichnung der Indigo-sorten. G. S. Perrotet. Aus dem Französischen von Ch. H. Schmidt. Mit Atlas. 1844.
18. Cementir-, Tüncher- und Stuccaturarbeit, in der Gebäude- und Zimmermalerei, in Anstrichen und Lackiren in Gyps- und Holzvergoldung, im Aufziehen von Tapeten. L. Hättmann. Mit Atlas. 1842.
19. Treppenbau. Selbstunterricht für Tischler, Zimmerleute und Maurer. Marius Wölfer. 4te Aufl. Mit Atlas. 1843.
20. Chocoladefabrikant. Auch Darstellung von homöopathischer und Gesundheitschocolade;

Neuer Schauplatz—Continued.

- Recepte für Chocolate-Surrogate; Characteristik der Cacaosorten und der Gewürze, Aromata und Satzmehlarten der Chocolate. Ch. H. Schmidt. 3te Aufl. *Illus.* 1848.
21. Färberei auf Wolle, Seide, Baumwolle und andere Stoffe. Anhang: Flecken auszubringen, Farben herzustellen. Riffault. Aus dem Französischen. Heintz. 1826.
- 21*. Clavierstimmen. Auch Anleitung zur Prüfung, Erhaltung und Wiederherstellung der Instrumente. Nach dem "Accordeur" des G. Armellino. Mit Atlas. 1857.
22. Maurerhandbuch, zur Kenntniss der Maurer-materialien und Arbeiten. Carl Matthaei. 3te Aufl. von J. C. G. Hampel. Mit Atlas. 1843.
23. Steinhauserhandbuch. Carl Matthaei. 3te Aufl. von J. C. G. Hampel. Mit Atlas. 1843.
24. Destillirkunst und Liqueurfabrication. Vorschriften zur Verfertigung und Veredlung der einfachen und doppelten Branntweine und Liqueure. C. F. B. Schedel. 3te Aufl. von Giacomo Perini. *Illus.* 1841.
25. Fabricant bunter Papiere. Verfertigung aller Arten farbiger und bunter Papiere; Atlas-, Maroquin-, Saffian-, Marmor-, Porphy-, Kattun-, Iris-, Tapeten-, Wachs-, Oel- und Rosapapiere. Deren Vergoldung, Lackirung und Aufziehen. C. F. G. Thon. 3te Aufl. Mit Atlas. 1844.
- 25*. Tapeten- und Buntpapier-Industrie, für Fabrikanten, Gewerbetreibende und technische Institute. Dr. W. F. Exner. Vorwort von Dr. Karl Karmarsch. Mit Atlas. 1869.
26. Stein- oder Dammsetzer. Construction und Pflasterung der Strassen. Anleitung zur Gründung der Stülte, und Anlegung ihrer Spaziergänge, Strassen, Fahr- und Fußwege. Carl Ludwig Matthaei. Mit Atlas. 1827.
27. Bau der Reitsättel und Kummte. Anhang über Riemerarbeit der Halftern, Zäume und Geschirre. Friedr. Schulze. *Illus.* 1827.
28. Kalk- und Gypsbrennerei. Selbstunterricht. Marius Wölfer. Mit Atlas. 1827.
- 28*. Kalkwerken, Gypsmühlen und Cementfabriken. Mit Literatur-Nachweis und Tabellen. Emil Böhmer und Friedr. Neumann. 4te Aufl. *Illus.* 1870.
29. Oenologie. Kultur, Kelterung, Behandlung, Veredlung und Aufbewahrung der Weine. Beobachtungen über Obstweine, Weinzig und Branntweine. Nach dem Französischen des Aubergier, von Joseph Servièr. *Illus.* 1827.
30. Landuhrmachers Handbuch. Auch Beschreibung der nöthigen Werkzeuge. Jacob Auch. *Illus.* 1827.
31. Nadler, Drahtzieher und Kardätschenmacher. Roth- und Gelbgieser-Arbeiten. Deren Materialien, Maschinen und Werkzeuge. J. D. A. Höck. Mit Atlas. 1827.
- 31*. Reimel's Receptbuch für Maurer, Tüncher, Stubenmaler, Stuccaturarbeiter und Cementer. A. W. Hertel. *Illus.* 1856.
32. Juweller. Unterricht über den Schnitt, das

Neuer Schauplatz—Continued.

- Gewicht und den Werth der Diamanten und Perlen. Joh. Gottl. Beumenberger. *Illus.* 1838.
33. **Essig und Senfbereitung.** Julia Fontenelle. Aus dem Französischen, von Gust. Heinr. Haumann. 2te Aufl. 1844.
34. **Mauer- und Dachziegel.** Einrichtung einer Dachziegelei für Kramp-Breitsieglein etc. P. Schaller. 2te Aufl. Von Carl Matthaei. Mit Atlas. 1841.
35. **Stereoskop.** Seine Geschichte, Theorie, Construction und Anwendung auf Künste und Unterricht. Aus dem Englischen des Sir David Brewster, von Ch. Heinr. Schmidt. *Illus.* 1857.
- 35*. **Wachsfabricant und Wachstieber.** Erzeugung und Behandlung des Honigs, Wachses, Talgs; Anlegung einer Wachsfabrik; Verfertigung der Wachlichter, Fackeln, durchsichtigen Kerzen; Geschichte und Literatur des Gewerbes. G. P. F. Thon. Mit Atlas. 1828.
36. **Ölbereitung, Ölreinigung und Gasbeleuchtung.** Julia Fontenelle. Aus dem Französischen, von Gust. Heinr. Haumann. 2te Aufl. *Illus.* 1844.
37. **Geigenbau.** Reparatur der Violinen, Bratschen, Schellos und Bässe, auch Pianofortegitarren, Erbauung der Werk- und Schnitzbänke; Kenntniss aller Werkzeuge, mit Lehren der Akustik und Tonkunst. Gust. Adolf Wettengel. Mit Atlas. 1838.
38. **Hutmacherkunst.** Verfertigung aller Sorten Filzhüte, auch Filzir- und Federhüte, Filzschuhe, Stiefeln, Socken, Sohlen etc. Carl Pilzecker. Mit Atlas. 1838.
39. **Stärke- und Puderbereitung, Stärkekummi- und Stärkezuckerfabrication.** Franz C. A. Bergmann. 2te Aufl. Von C. H. Schmidt. Mit Atlas. 1846.
- 39*. **Handbuch der Stärkekabrication, der Dextrin-, Stärkesyrup- und Stärkezuckerfabrication.** Ladislaus Wagner. Mit Atlas. 1876.
40. **Gebäude-, Zimmer- und Strassenbeleuchtung** durch Oel, Talg, Wachs und Gas. Bereitung und Reinigung dieser Materialien. Nach dem Französischen des Pélet, von Joh. Christ. Gottlob Weise. 2te Aufl. Von Carl Hartmann. Mit Atlas. 1847.
41. **Linirkunst.** Anleitung Geschäfts- und Handlungsbücher, Notenpapier etc. zu liniren; die Tinten und Werkzeuge zu verfertigen; auch Abbildung 2 Linir-Maschinen. Nach dem Französischen von Carl Ferd. Leischner. 3te Aufl. J. G. Frenzel. Mit Atlas. 1839.
42. **Frisirkunst und Haar-Schmuck.** Auch Mittheilungen über die Natur und Erhaltung der Haare und über Hautkrankheiten. Nach Villaret und Normandin. *Illus.* 1829.
43. **Lithographie und Zinkographie.** Anleitung zur Anfertigung von Steinzeichnungen, zur Lithochromie; auch Beschreibung der Apparate zum Steindrucke. Nach Peschek, von Leo Bergmann. Mit Atlas. 1843.

Neuer Schauplatz—Continued.

44. **Seidenbau.** Anweisung zur Maulbeerbaum- und Seidenraupenzucht. Gustav Heinrich Haumann. *Illus.* 1829.
45. **Bleiarbeiter.** Brunnen-, Röhren-, Pumpen- und Spritzenmeister. Erklärung hydraulischer Kunstausdrücke. Nach dem Französischen des Janvier und Bisson. J. G. Petri. 2te Aufl. von Carl Alting. Mit Atlas. 1841.
46. **Bereitung und Anwendung des Chlors** in chemischer, medicinischer, ökonomischer und technischer Hinsicht. Aus dem Holländischen des S. Stratingh, von C. G. Kaiser. Mit Atlas. 1829.
- 47-49. **Verrichtungen der Zimmerleute.** 1ster Theil. Mathematische Vorkenntnisse des Zimmermannes. 2ter Theil. Materialien des Zimmermannes. 3ter Theil. Arbeiten des Zimmermannes, mit Lehre von Treppen; und über Hänge, Sprengwerke und Bohlenbogenconstruction und. Mit Atlas. 1840, 1845.
50. **Schlossermelster.** Handbuch ihrer Kunst, mit Bau der Brückenwaagen. Nach dem Französischen des Grandpré von J. G. Petri, C. H. Schmidt und Andern. 4te Aufl. Mit Atlas. 1843.
51. **Ofenbaumeister und Feuermechanik.** Anwendung der neuesten Heizungs- und Erwärmungsarten, mit Beispielen neuer Ofen und Kamine. Carl Matthaei. 3te Aufl. von C. Hartmann. Mit Atlas. 1847.
52. **Bildhauer.** Modelliren in Marmor, Alabaster, Holz, und Steinarten; Schleifen, Poliren und Vergoldung der Arbeiten. C. Ludwig Matthaei. Mit Atlas. 1830.
53. **Klempner und Lampenfabricant.** Belehrung über Eisen-, Messing- und Zinkblech-Arbeiten und Werkzeuge; Grundsätze der Erleuchtungskunst; Fabrication der Oel-, Talg- und Weingeist-Lampen, Kronleuchter, Schirme, Glaskugeln etc.; sie zu malen, lackiren, vergolden. Nach dem Französischen des M. Lebrun, von D. H. Leag. 3te Aufl. von Ch. H. Schmidt. Mit Atlas. 1843.
54. **Kupfer- und Stahlstecher, und Kunst in Holz zu schneiden.** Auch Zeichnen und Stechen auf Zink mit chemischem Abdruck solcher Platten. Nach dem Französischen von Theod. Thon. Mit Atlas. 1831.
55. **Reisskunst.** Grundsätze des Zeichnens mit Lineal und Zirkel, auch aus freier Hand. Nach Musterzeichnungen und Natur. Theod. Thon. 2te Aufl. von F. Durand. Mit Atlas. 1840.
56. **Kunst weisses Steingut mit durchsichtiger Glasur anzufertigen;** nebst Abhandlung über eingeschmolzene Steingutfarben. Aus dem Französischen des Bartsenaire-Dandenart, von Georg Frick. Mit Atlas. 1832.
57. **Mühlenbau und Mehl-Fabrication.** Anlegung und Construction von Wasser-, Wind- und Dampf-mühlen zur Anfertigung von Mehl, Graupen, Loh, und zum Mahlen von Kaffee, Cacao und Farben. Dr. W. Weinholz. 2te

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Neuer Schauplatz—Continued.

- und 3te Aufl. von Fr. W. Barfuss und Karl Hartmann. Erster Theil. 1843.
58. Mühlenbau und Mehl-Fabrication. W. Weinholz. 2te und 3te Aufl. von Fr. W. Barfuss und Karl Hartmann. Zweiter oder specieller Theil. Mit Atlas. 1843.
59. Papparbeiten, als Toiletten, Etuis, Körbchen und Taschen, Vasen etc.; auch Pappen- und Spielkarten-Fabrication; sowie Verfertigung vergoldeter Papiere, Firnisse etc. Nach dem Französischen, von Carl Fr. Leischner. 2te Aufl. von E. Schmied. Mit Atlas. 1841.
60. Pfeifenköpfe. Verfertigung aller Arten meerschamener, auch Talg-, Wachs-, Holz- und Oelköpfen. Nebst Anweisung meerschamene Pfeifenköpfe anzuräumen, färben, reinigen und kitteten. Ch. Friedr. Gottl. Thon. 2te Aufl. 1843.
61. Dachdecker. Unterricht in allen Dachbedeckungsarten, für Ziegel-, Stein-, Schiefer-, Lehm-, Schindel-, Stroh- und Rohrdecker. Carl Ludwig Matthaei. Mit Atlas. 1833.
62. Gewerbekunde. Anleitung zur Kenntnis und Beurtheilung aller Handwerke, Künste, Fabriken und Manufacturen, auch Waaren-, Produkten- und Maschinenkunde. H. Leng. Mit Atlas. 1834.
63. Juwelier, Gold-, Silber- und Schmuckarbeiter. Beschreibung der edlen Metalle, der Perlen und Edelsteine, der Emailen und Mosaik, der Plattirung und Goldfarben, sowie deren Verfertigung und Anwendung. Methoden der Feinmachung, Scheidung und Probirkunst. Schätzung und Schneiden der Edelsteine. August Büsch. Mit Atlas. 1834.
64. Riemer und Sattler. Beschreibung aller Arbeiten, der Reitzzeuge, Kutschen- und Wagen-geschirre, Decken, Kummis, Sattelkissen; Auschlagen aller arten Wagen; Erfindungen und Verbesserungen. Nach dem Französischen des Lebrun, von Jac. E. Cillax. 4te Aufl. *Illus.* 1846.
65. Wagner, Stellmacher und Chaisenfabrikant. Construction und Behandlung des Wagens; Material, Werkzeug und Arbeiten des Stellmachers, des Schmiedes, des Sattlers, des Gärtners und Lackirers. Construction der Eisenbahnwaggons. Nach Lebrun, von L. Beckmann. Mit Atlas. 1846.
- 66-68. Grundsätze der Werkzeugwissenschaft und Mechanik. 1ster Theil. Allgemeine Grundsätze der Mechanik; Anwendung der mechanischen Potenzen und einfachen Werkzeuge; deren Kräfte und Dimensionen. 2ter Theil. Anwendung von Räderwerken und mechanischen Zusammensetzungen bei der Erbauung von Maschinen. 3ter Theil. Wirkungen niedersteigender Gewichte und gespannter Federn; Kräfte von Menschen und Thieren auf Maschinen ausgeübt; Grundsätze des Gleichgewichtes und der Bewegung tropfbarer und elastischer Flüssigkeiten. G. I. Verdam. Aus dem Holländischen, von Chr. Heinr. Schmidt. Mit Atlas. 1835.
- 69-71. Dampfmaschinen. Beurtheilung und Er-

NEUER SCHAUPLATZ.

Neuer Schauplatz—Continued.

- bauung aller Arten. 1st r und 2ter Theil. Betrachtung und Berechnung der mechanischen Kraft des Dampfes, Arten und Formen von Dampfmaschinen. 3ter und 4ter Theil. Dimensionen, Einrichtungen und Formen der Bestandtheile der Dampfmaschinen. G. I. Verdam. Aus dem Holländischen, von Ch. H. Schmidt. Mit Atlas. 1848.
72. Zucker-Fabrication, namentlich des Runkelrüben-, Rohr- und Stärkemehlzuckers. Ch. H. Schmidt. 2te Aufl. Mit Atlas. 1847.
- 73-74. Papier- und Pappfabrication, auch die Kunst des Formens. Aus dem Französischen des L. S. Lenormand, von Dr. Wih. Weinholz. Mit Atlas. 1835.
75. Anfertigung des durchsichtigen Porzellans und weissen Steinguts, Erbauung der Massenhöfen, Schlemmerel, Massenkochöfen, Brennöfen und Abdrehrmaschinen. Laboration der Mineralfarben für Porzellan-, Steingut und Glasmalerei, Holz und Kohlenmuffeln. Ludwig Friedr. Schumann. Mit Atlas. 1835.
- 75*. Fabrikation des weissen Feldspath-Porzellans und dessen Dekorirung mit Starkfeuerfarben. Karl Strele. Mit Atlas. 1868.
76. Anlegung und Ausführung aller Arten von Eisenbahnen, nebst Kostenberechnungen. Nach dem Französischen des Biot, von Ch. Heinr. Schmidt. Mit Atlas. 1835.
77. Korb- und Strohflechtkunst, und Siebmacherei. Anleitung alle Korbgattungen zu machen, durch Belzen etc. verschönern; Stroh zu waschen und bleichen; Strohüte etc. zu flechten; Gewebe aus Holz, Draht und Pferdehaaren, auch Siebe aus Pergament zu verfertigen. E. Schmied. Mit Atlas. 1843.
78. Gnomonik. Construction von Sonnenuhren mit Thierkreislinien und Beleuchtungscalen. Hermann Sternheim. 2te Aufl. Mit Atlas. 1842.
79. Glasfabrikation nach allen ihren Haupt- und Nebenzweigen. Darstellung aller Glasfabrikate. Schleifen, Schneiden, Aetsen, Incrusturen etc. des Glases. Einrichtung der Oefen, Schmelzhäfen und Materialien. Heinr. Leng. Mit Atlas. 1835.
- 80-81. Metallurgie. Gewinnung und Verarbeitung der in den Künsten und Gewerben nutzbaren Metalle. C. Hartmann. 2te Aufl. *Illus.* 1847.
82. Rathgeber und Receptbuch für Künstler und Professionisten zum Poliren, Belzen, Lackiren etc. Aus dem Englischen des G. A. Siddons, von C. H. Schmidt. Mit Atlas. 1842.
83. Geheimnisse der englischen Geweßfabrikation und Büchsenmacher-Kunst. Erzeugung der Eisensorten zu Jagdgewehren. Verfahrensarten der deutschen Geweßfabriken. Aus dem Englischen des William Greener, von C. H. Schmidt. *Illus.* 1842.
84. Handschuhfabrikation. Kunst des Handschuhleders zu gerben, färben und zu verarbeiten. Anhang alle Flecke zu verhüten, auch zu beseitigen. Nach dem Französischen des Valle-d'Artois, von Dr. Heinrich Leng. *Illus.* 1836.

Neuer Schauptplatz—Continued.

85. Kunst des Messerschmiedes. M. H. Landrin. Aus dem Französichen von H. Leng und C. H. Schmidt. *Illus.* 1836.
86. Fabrikation des Beinschwarzes, Ammoniak, Salmiak, Glaubersalz, Phosphorus, Phosphorsäure, blausauren Kalks, Pariser und Berliner Blaus. Auch Bauplan einer Fabrik. Carl Wilhelm Römmling. Mit Atlas. 1836.
87. Staffmalerei und Vergoldungskunst, zur Verschönerung und Erhaltung der Arbeiten. Anhang zu "Thon's Lackirkunst". Ch. Fr. Gottl. Thon. 2te Aufl. von C. H. Schmidt. 1846.
88. Töpferwaare. Ofentafeln, Steinzeug mit Glasuren anzufertigen. Beschreibung der Brennöfen, Glasurmühlen, Drehscheiben. Aus dem Französichen des Bastenaire-Daudeart, von Ch. H. Schmidt. 2te Aufl. Mit Atlas. 1843.
89. Abhandlung über Klavier-Saiten-Instrumente, Forte-Pianos und Flügel, deren Ankauf, Beurtheilung, Behandlung, Erhaltung und Stimmung. Ch. F. G. Thon. 3te Aufl. Mit Atlas. 1843.
- 89*. Lehrbuch des Pianofortebaues in seiner Geschichte, Theorie und Technik. Julius Blüthner und Heinrich Gretschel. Mit Atlas. 1872.
90. Geschichte der Uhrmacherkunst. F. Barfuss.
91. Sella-Handwerk. Anbau und Zubereitung des Hanfes. Fertigung und Anwendung aller Gross- und Klein-Sella-waren, Fisch-, Vogel- und Fliegenetze. Fabrication aller Pech-, Theer-, Oel- und Thrangattungen, auch einer Wagenschmiere. Marius Wölfer. *Illus.* 1837.
92. Kunst- und Lustfeuerwerkerel, mit Auswahl der schönsten farbigen Sätze. F. C. A. Büttner und F. M. Chertier. 7te Aufl. von Heinr. Hamburger. 1843.
93. Handbuch des Baumwollen-Manufakturwesens. Naturgeschichte, Cultur und Verarbeitung der Baumwolle. Geschichte ihrer Manufaktur. Andreas Ure. Deutsch von Carl Hartmann. 2te Aufl. Mit Atlas. 1843.
94. Pergamentmacher, Leim- und Potaschensieder. Nach den neuesten Erfindungen. Marius Wölfer. Mit Atlas. 1836.
95. Praktische Anleitung zum Branntweinbrennen, insbesondere des Kartoffelbranntweins. Verfahren den Branntwein zu prüfen, reinigen, veredeln. Verordnungen über den Betrieb des Brennens und die Besteuerung des Branntweins. Abbildungen von Brenngeräthschaften, Grundrissen von Brennerelen, Formeln, Tabellen. Christ. Friedr. Gottl. Thon. 2te Aufl. *Illus.* 1841.
96. Grundsätze der Bierbrauerei, nach den neuesten technisch-chemischen Entdeckungen. Kunst Bier zu brauen, Brauhäuser mit Keimtennen, Malzdarren und Kellern anzulegen und einzurichten. Mit besonderer Berücksichtigung der bayerischen Brauerei. Verfahren in Oesterreich, Belgien, England, Schottland, am Rhein, in den Niederlanden. Recepte zu Luxusbieren. C. H. Schmidt. Mit Atlas. 1838.

Neuer Schauptplatz—Continued.

97. Probirkunst. Anleitung Metallgemische auf dem trocknen und nassem Wege zu untersuchen. Nach Chaudet, deutsch von Carl Hartmann. 2te Aufl. 1847.
98. Zwee mäsigste Construction und Einrichtung der Dampfschiffe und deren Dampfmaschinen. Beschreibung eines neuen Locomotionsapparates. Janvier. Frei übertragen mit einem Anhang über die Course aller Dampfschiffe in Europa, von Ch. H. Schmidt. 2te Aufl. Mit Atlas. 1842.
99. Praktischer Mühlenbauer, oder Zeugarbeiter. Handbuch zum Selbstunterricht. L. Bergmann. 2te Aufl. von K. H. Kögel. *Illus.* 1844.
100. Grundsätze zur Beurtheilung und Erbauung von Dampfmaschinen. Ergänzungsbuch (Werkzeugwissenschaft IV.). G. I. Verdam. Aus dem Holländischen, von C. H. Schmidt. Mit Atlas. 1843.
101. Kupferschmiedhandwerk, mit Vorlehen über die Erzeugung und Behandlung des Rohkupfers und Produkte. F. Hühne. E. W. Bösling. *Illus.* 1839.
102. Kunst des Böttchers oder Küfers in der Werkstatt wie im Keller. Anleitung zur Rechen- und Zeichnenkunst; Anweisung von Gefässen zu finden und jedes verlangtem Gehalt zu verfertigen aller Mittel, Vortheile und Werkzeuge zur Ausarbeitung der Dauben und Verrichtungen des Küfers im Bier- und Weinkeller. C. H. Schmidt. *Illus.* 1847.
103. Handbuch der Metallgiesserei, Anweisung in Sand, Masse und Lehm zu formen; mit Eisen, Messing, Gold etc. in diesen Formen sowie in metallenen Schalen, durch den Guss, Glocken, Statuen, Geschütze, Lettern etc. herzustellen. Anhang über Emailiren und Verzinnen gusseiserner Gefässe. C. Hartmann. Mit Atlas. 1840.
104. Feuerzeugpraktikant. Beschreibung aller Feuerzeugungs-Apparate und Zündwaaren. Fabrikation der Zündstoffe und anderen Requisiten. Anleitung Pistolenfeuerzeuge zu erhalten; Schwefelsäure und Phosphor von Arsenik zu reinigen; auch Krankheitserscheinungen in Zündhölzchen-Fabriken vorzubeugen. 2te Aufl. Mit Atlas. 1847. C. H. Schmidt.
105. Kunst des Posamentirers, Bandfabrikanten, Bortenwirkers, Knopf- und Krepinmachers. Weben und Drucken aller Arten Bänder und Borten, aller Sorten Treppen, Fransen; Döchte und Schläuche ohne Naht zu fertigen, die Wasserdichtheit der letztern zu erhöhen. Fr. A. Reimann. *Illus.* 1840.
106. Linnen- und Tischzeugweberel. G. Sennewald. Mit Atlas. 1840.
107. Holzbeizkunst, oder Holzfärberei, nebst Miteln die gebeizte Holzarbeit zu verschönern und zu erhalten. Anhang: Elfenbein, Knochen und Horn zu beizen und poliren. 2te Aufl. Ch. Fr. Gottl. Thon. 1840.

Neuer Schauplatz—Continued.

107. Beizen, Schleifen und Poliren des Holzes, Elfenbeins, Horns, der Perlmutter und Knochen; sowie deren Conservirung und die Verschönerung der Kunst- und Industriearbeiten. Wilhelm Schmidt. 5te Aufl. *Illus.* 1871.
108. Gürtler und Broncearbeiter. Darstellung der Arbeiten; Verfertigung Galanterie-Waaren; Beschreibung der Maschinen; Anleitung für Förmerei und Gieserei; Anfertigung der Bronze, der Goldfarben, Schlagloth etc. August Wallack. Mit Atlas. 1840.
109. Cur- und Hufe schmied. Anweisung zum Beschlage gesunder und fehlerhafter Hufe; sowie zu den Heilmitteln in Pferde-Operationen. J. F. Zorrenner. Mit Atlas. 1841.
110. Handbuch der gesammten Lohgerberei; namentlich in Beziehung des gemeinen Lohgahren, des Juften-, jämtländisch- und dänischen Leders, des Saffians, Corduans und Chagrins. Neue Lederkünsten und Beschreibung der Maschinen. C. H. Schmidt. 2te Aufl. Mit Atlas. 1847.
111. Lederfärbekunst. Chemische Grund-ätze und Vorschriften alle Ledergattungen in allen Farben zu färben, mit farbigen Mustern zu bedrucken, und zu lackiren. Mittheilung der englischen Fixfärberei der Handschuhleder. Ch. Heinr. Schmidt. 2te Aufl. Mit Atlas. 1848.
112. Brennmaterialkunde. Eigenschaften der rohen und durch Verkohlung und Vercokung dargestellten Brennstoffe. Nebenproducte, als Holzessig, Theer etc. Gewinnung der Knochenkohle; Wirkung der Brennmaterialien; Grundsätze der Heizung. 2te Aufl. Carl Hartmann. Mit Atlas. 1847.
113. Pulverfabrikation, sowie Bereitung der Schloßbaumwolle und Schloßheede. Von einem deutschen Techniker. 2te Aufl. *Illus.* 1847.
114. Versuche Edelsteine kunstgemäß zu schleifen, wie in Glasfassen nachzubilden. Uebersicht schleifbarer Mineralien; Abbildungen facettirter Edelsteine und deren Werkzeuge. L. v. Könnertitz. Mit Atlas. 1841.
115. Kammacher, Horn- und Beinarbeiter. Angabe alles Werkzeugs, Einrichtung der Werkstatt, und des Geheimnisses der Hornbeizkunst. Heinr. Kühn. Mit Atlas. 1841.
116. Handbuch des Seldenmanufacturwesens. Darstellung der Seidenzucht, des Abhaspelns der Cocons, des Zwirns der Seide, der Zubereitung der Floretseide, Verarbeitung der Seide. Anhang von Bortenwirkerei. Von einem deutschen Techniker. 2te Aufl. Mit Atlas. 1847.
117. Vollständiges Farben-Laboratorium. Bereitung der Erd-, Metall-, Lack-, Saft-, Honig-, Pastell- und Tuschfarben. Chr. H. Schmidt. 2te Aufl. Mit Atlas. 1847.
118. Fabrication der Farben der Glas-, Email- und Porzellanmalerel. Darstellung der Materialien und chemischen Producte; Einbrennen der Malereien. 2te Aufl. C. H. Schmidt. Mit Atlas. 1848.

Neuer Schauplatz—Continued.

119. Bürsten- und Pinselfabrikant. Anweisung Bürsten verlangter Couleur zu verfertigen, die angewendeten Holzarten zu beizen, poliren. Verfertigung der Federbüsche und Federbesen, auch Modcartikeln. Farben der Fäbern. K. Hoppe. Mit Atlas. 1842.
120. Belehrung über die Anstellung und Führung der Waldindigküppe sowie über die Krankheiten derselben, nebst Angabe ihrer Kennzeichen und Heilmittel, und Sammlung von Stahlproben. Carl Friedr. Scherf. 2te Aufl. *Illus.* 1848.
121. Lehre der Mannschneiderel. Geometrische und corpora metrische Maassnehmungsmethode und Zuschneidekunst; Reduciren und Transportiren der Patronen; Winken über Zusammensetzung, Bearbeitung, Veränderungen etc. Netzung und Decatirung; Berechnung des Tuchbedarfs. Heinr. Diete. 2te Aufl. Mit Atlas. 1845.
122. Handbuch des Woll-Manufactur-Wesens. Naturgeschichte und Zucht der Schaafe; Gewinnung und Verarbeitung der Wolle zu Tuch und zu kammwollenen Zeugen. Dr. C. Hartmann und Ch. H. Schmidt. 2te Aufl. Mit Atlas. 1848.
123. Galvanoplastik. Anweisung Münzen, Medaillen, in metallischer Form zu reproduciren; Kupferplatten etc. zu ätzen und vervielfältigen; Metalle zu vergolden, etc. Ueberblick über Daguerreotypie und Kalotypie. Aus dem Englischen des Charles Walker, von C. H. Schmidt. *Illus.* 1843.
124. Anlage und Benutzung grabener und artesischer Brunnen. Carl Hartmann. 2te Aufl. Mit Atlas. 1848.
125. Illuminirkunst. Unterricht im Illuminiren und Tuschen; in der Gouache- und orientalischen Malerei; im Bleichen der Kupferstiche; in der Malerei mit sympathetischen Farben; in der Bereitung und Mischung der Farben, und in der Fabrikation der Tusch- und Farbenkasten. Nach Blanchard, Perrot und Thilloy, von Ch. Heinr. Schmidt. 2te Aufl. Mit Atlas. 1848.
126. Fabrikation der Regen- und Sonnenschirme, sowie der Fächer. Reparaturen dieser Fabrikate. C. Schmied. *Illus.* 1843.
127. Handbuch für Locomotiven-Führer. Anweisung über die Einrichtung, Behandlung und Führung der Locomotive-Dampfmaschinen. E. Flachet und J. Petiet. Aus dem Französischen. Dr. Carl Hartmann. 2te Aufl. Mit Atlas. 1846.
128. Maschinen-Flachs-, Hanf- und Werg-Spinnerei. Theoretische und praktische Elemente. N. Choimet. Aus dem Französischen. Chr. Heinr. Schmidt. Mit Atlas. 1842.
129. Schlangen-Feuerlösch-Spritzen. Theoretisch und practisch bearbeitet von Carl Alßing. 2te Aufl. Mit Atlas. 1849.
130. Kürschnerkunst. Anweisung Pelzwerke zu gerben, blenden, färben, verarbeiten und aufbewahren. Naturgeschichte über die Pelzthiere und Felle im Pelzhandel. Schilderung

Neuer Schauptatz—Continued.

- des Fe'shandels. Chr. H. Schmidt. 3te Aufl. *Illus.* 1847.
131. Beiträge zur Büchsenmacherkunst und zur Beurtheilung der Schiessgewehre. J. Schmidt. *Illus.* 1843.
132. Kleingekirzfärber. Anweisung Zeuge zu färben und appretiren, auch Farben von Stoffen abzuheben. Carl Friedr. Scherf. 2te Aufl. 1848.
133. Kunst des Vergoldens, Versilberns etc. Argentiren des Eisens und die Metalle mit Aluminium zu überziehen, mittelst galvanischer Batterien, oder auch ohne Apparat, mittelst hydroelectricchen Contacts. Chr. Heinr. Schmidt. 3te Aufl. Mit Atlas. 1862 und 1843.
134. Academie der zeichnenden Künste und der Malerei. Elemente der Anatomie; Ausdruck der Leidenschaften; Grundzüge der Portrait-Blumen- etc. Malerei; geometrische Projectionslehre; Linear-, freie und Luftperspective; Baukunst; Lehre von dem Lichte und Farben, und der Chemie der leisteren. Malerei in Crayon, Pastel, in Lavir, in Miniatur, Gouache, Oel- und Schmelzfarben. A. W. Hertel. Mit Atlas. 1844.
135. Baumwollenweberei, mit Berücksichtigung der Rouen-Gewebe. Bleichen, Färben und Appretiren der Baumwolle. Wattenfabrikation. Chr. Heinr. Schmidt. *Illus.* 1844.
136. Kitt-Kunst. Anleitung Kitten und Mörteln zu bereiten, mit Erfolg und Dauer anzuwenden. C. F. G. Thon. 1844.
137. Löth-Kunst. Anleitung Löthe und Legirungen zu bereiten, Metalle und Metall-Compositionen zu löthen. C. F. G. Thon. *Illus.* 1844.
138. Handbuch der Schriftgießerei und der Nebenzweige: Stereotypie, Abklatschen, Holzschnidekunst, Gravüren in Zink, Zinn, Schriftmetall, Kupfer- und Stahlstich, Hochlithographie, etc. Adolf Hense. Mit Atlas. 1844.
139. Kattunfabrikation und Kunst Seide und seidene Zeuge zu färben. F. W. Geest. 2te Aufl. *Illus.* 1848.
140. Treppenbau. Anleitung im Zeichnen, Zurechtsen, Errichten aller arten hölzerner Treppen, nebst Bemerkungen über steinerne Treppen. Nach dem Französischen des C. Bouterau, von J. A. Schultz. Mit Atlas. 1845.
141. Lehrbuch des Bleichens und der gesammten Färberei auf baumwollene Garne und Gewebe. F. A. W. Geest. Mit Atlas. 1846.
142. Feuerungskunde. Anlegung von Heerden, Schornsteinen, Kaminen, Stubenöfen, Heizgewölben, Dampf- und Warmwasser-Heizungen, Lüftungsapparaten etc. Nach E. Péclet, von Carl Hartmann. Mit Atlas. 1816.
- 143-145. Maschinenbauer. Atlas und Beschreibung der Maschinen-Elemente. Fortsetzung des Werkes des Le Blanc, von Dr. Carl Hartmann. 1848.
146. Coloriren und Decoriren des Porcellans, Stein-

Neuer Schauptatz—Continued.

- guta, Wedgwoodgeschirre, Steinzeuge und der Fayence, mit verglasbaren Farben und Metallen. Brennen dieser Farben und Metalle. Alexander Brongniart. Deutsch von C. H. Schmidt. Mit Atlas. 1844.
- 146*. Technik des Colorirens und Dekorirens von Porcellan, Steingut, Glas etc., durch Bemalen, Bedrucken, Übertragen von Photographien, mit Email und Metallen, sowie das Einbrennen derselben und Pollen der Metalle. 3te Aufl. Karl Strele. Mit Atlas. 1869.
147. Restauration alter und schadhafte gewordenen Gemälde. Anleitung zur Frescomalerei. J. C. G. Hampel. Mit Atlas. 1846.
148. Moderne Bauteicherei. Arbeiten in dem innern Ausbau von Wohnhäuser und Prachtgebäuden. Anweisung Zeichnungen dazu zu entwerfen und auszuführen, sowie Kosten zu berechnen. Lehren über geometrische Constructionen, Inhaltsbestimmungen und schöne Architectur. A. W. Hertel. Mit Atlas. 1847.
149. Fleischer- und Wurstlergeschäft, auf seinem jetzigen hohen Standpunkte. Angabe der Maschinen und Einrichtungen. M. Weintz. Mit Atlas. 1846.
150. Zimmeröfen und Zimmercamme neuester Zeit. Construction der wirksamsten Luftheizungsöfen. Nach dem Französischen von Alex. Schultz. Mit Atlas. 1846.
151. Benutzung des Papiermaché zu Larven, Puppenköpfen, Kinderspielszeug, Bilderrahmen etc. Coloriren und Decoriren dieser Gegenstände mit Kupferstichen und Lithographien. Chr. Heinr. Schmidt. Mit Atlas. 1847.
152. Handbuch des Eisenbahnwesens. Darstellung der Anlage, Einrichtung und des Betriebes der Eisenbahnen. Nach dem Englischen des Robert Ritchie, von Carl Hartmann. 2te Aufl. Mit Atlas. 1853.
153. Bäckerhandwerk. Anweisung das Brodgetreide zu beurtheilen, aufbewahren, vermahlen und mit Gährungsmittein in Brod, Luxusgebäck etc. zu verwandeln. Beschreibung der neuesten Backöfen und Angabe erprobter Hefenrecepte. C. H. Schmidt. Mit Atlas. 1847.
154. Der Asphalt und seine Anwendung in der Technik. Darstellung aller Asphalte; deren Verwendung zum Belegen von Wegen, Höfen, etc.; zur Bereitung von Isolirschriften, Dachdeckungen; zur Darstellung der Asphalt-Pappen, -Röhren und -Firnissen, mit Benutzung dieser Materialien. W. Jeep. Mit Atlas. 1867.
155. Bleiweis- und Bleizuckerfabrication, nach allen vorhandenen Methoden. Heinrich Ludwig. *Illus.* 1847.
156. Zusätze zur 1sten Auflage von Dr. Ch. H. Schmidt's vollständigem Farben-Laboratorium. Die Fortschritte der Fabrikation seit 1841. 1847.
157. Handbuch der Webekunst in Baumwolle, Leinen, Wollen und Seide, mit Hand- und Maschinen-Webestühlen, zur Anfertigung der glat-

Neuer Schauplatz—Continued.

- ten und gemusterten Zeuge. Gilroy, Falout und White. Mit Atlas. 1847.
- 158-159. Handbuch über den Bau, die Aufstellung, Behandlung, Bedienung, Heizung, Abwartung und Conservirung der Dampfmaschinen. Nach dem Französischen des Grouvelle, Jannex und Jullien, von Carl Hartmann. *Illus.* 1847.
160. Der treue Führer beim Schürfen. Merkmale der Lagerstätten zur Schürf- und Rohrversuche auf Erzgänge, Kohlen-Flütze, Steinsalz, Braunstein, Salzquellen, etc. Nach Combes, Degoussée und Andern, von Carl Hartmann. Mit Atlas. 1848.
161. Der wohlunterrichtete Hohofen- und Hammermeister. Carl Hartmann. Mit Atlas. 1848.
- 162-163. Handbuch des Zeugdrucks und der damit verbundenen Färberei. 1ster Theil: Grundrisse und Anwendung der Chemie und Physik bei den Operationen der Färberei und des Zeugdrucks. 2ter Theil: Verfahrensarten. J. Perroz. Ob. Heintz. Schmidt. Mit Atlas. 1848.
164. Bierbrauerei aus Kartoffeln. Anweisung zur Bereitung guter Kartoffelbiere. Heinrich Ludwig. *Illus.* 1848.
165. Verfertigung der Gypsfiguren und des Gypsmarmors für Maurer und Tüncher, sowie Darstellung der Kupferfiguren durch die Galvanoplastik. C. Schmied. *Illus.* 1848.
166. Luftschiffahrtkunde, und ihre Anwendung zur Communication, zu Reisen und Gütertransportation. Nach Edm. Marcy-Monge und Andern, von Ferd. Steinmann. Mit Atlas. 1848.
167. Aufladung, Gewinnung und Förderung der mineralischen Brennstoffe, namentlich des Torfs, der Braun- und Steinkohle. Nach Burat, Combes und Andern, von Carl Hartmann. Mit Atlas. 1848.
168. Grundriss der Schlosserkunst, mit Maschinen zur schnellen Verfertigung der Schlossarbeiten. Anhang erprobter Recepte zur Verbesserung der Metalle. Johann König. Mit Atlas. 1848.
169. Der geschickte Grob- und Hufschmied. Anhang über das Schmieden der Aexte, Beile, Ankerwerkzeuge und andern Schneidwerkzeuge, sowie einem Wörterbuche des Schmiedes. Friedr. Harzer. Mit Atlas. 1848.
170. Siegelackfabrikation, nach dem neuesten Verfahren und den bewährtesten Vorschriften. Friedrich Harzer. 1848.
171. Vollständiges Handbuch der Uhrmacherkunst. Emanuel Schreiber. *Illus.* 1848.
172. Gesetze der Farbenharmonie für Haus-, Stuben- und Decorationsmalerei, für Fabrikation von Tapeten, Teppichen und buntfarbiger Gewebe. Bemerkungen über Hausmalerei. Aus dem Englischen des D. R. Hay, von L. Hüttmann. *Illus.* 1848.
173. Formschneidekunst. Modeln für Zeugdruckerei, Wachsdruck, Tapeten, Spielkarten. Ausführung der Buchdruckereivignetten und Veralierungen. Guillochiren, Graviren, etc.

Neuer Schauplatz—Continued.

- der Druckwalzen. Chr. Heintz. Schmidt. Mit Atlas. 1849.
174. Operationen, Manipulationen und Geräthschaften der Electrochemie in ihrer Anwendung auf Gold-, Silber- und Broncearbeiten, Galvanoplastik und andere verwandte Gewerbe. A. Brandely. Aus dem Französischen, von Friedrich Harzer. Mit Atlas. 1849.
175. Magnet Electricität als motorische Kraft-Anwendung des Electromagnetismus auf Telegraphie, sowie auf den Betrieb der Uhren und anderer Maschinen. Friedrich Harzer. *Illus.* 1849.
176. Schreibmaterialist. Kunst, sich selbst alle Arten der Schreibfedern, Siegelacke, Tinten, Oblaten etc. zu fertigen. 2te Aufl. 1849.
177. Glasblasekunst, sowohl auf der Glashütte, als an der Glasbläserlampe. Verfertigung des Hohl- und Tafelglases, der Glasglocken, Glasröhren und Uhrgläser; der Barometer, Thermometer, physikalischer und chemischer Geräthe; der Perlen, künstlichen Augen, Spielzeuge. Spinnen, Schneiden, Springen, Durchlochen, Aetzen, Schleifen, Kitten, Belegen, Vornüßern des Glases. Eman. Schreiber. *Illus.* 1849.
- 178-179. Handbuch der neuesten englischen Werkzeuglehre. 1ster Theil: Werkzeuge der Holz- und Hornarbeiter. 2ter Theil: Werkzeuge der Metallarbeiter. Nach Carl Holzappel in London, von Carl Hartmann. Mit Atlas. 1849-50.
180. Handbuch der Mikroskopie. Aufstellung, Einrichtung, Behandlung und Gebrauch des Mikroskopes, zum Präpariren und zur Untersuchung von Stoffen aus dem Thier-, Pflanzen- und Mineralreiche und deren Producte. John Quekett. Deutsch von Carl Hartmann. Mit Atlas. 1850.
181. Angaben und Pläne englisch-amerikanischer Mahlmühlen, sowie von den Einrichtungen der Oel-, Papier-, Loh- und Sägmühlen. Nebst Regeln etc. über Umtriebe, Zwischen- und Arbeits-Maschinen. Carl Hartmann. *Illus.* 1850.
182. Gasbeleuchtung. Fortschritte und Vervollkommnungen. Carl Hartmann. Mit Atlas. 1850.
183. Tabacks- und Cigarrenfabrikant. Verfahrensarten der Fabrication der Cigarren, des Rauch-, Schnupf- und Kautabacks. Emanuel Schreiber. Mit Atlas. 1850.
184. Perspective, oder die Lehre von den Projectionen, zur Ausführung von technischen und perspectivischen Zeichnungen. A. W. Hertel. Mit Atlas. 1851.
185. Handbuch der chemischen Fabrikenkunde. Darstellung des Schwefels und der Schwefelsäure, des Kochsalzes, Natrons, Potasche, Boraxes, Salpeters, Salzsäure, Alauns, Vitriols, Salmiaks, Phosphors und der gashaltigen Wasser. Carl Herzberg. Mit Atlas. 1851.
186. Handbuch der Metaldreherei. Kunst, Metalle auf der Drehbank, dem Drehstuhl, auf Ma-

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schienen, und durch Schleifen und Poliren zu bearbeiten. Anhang: über Werkstätten, Werkzeugmaschinen und die Maschinenbauanstalt zu Serning. Carl Hartmann. Mit Atlas. 1851.

187. Turbinen, oder horizontale Wasserräder, als Kraft- oder Trieb-Maschinen. Ihre Beschreibung, Theorie und Leistung. Friedr. Harzer. Mit Atlas. 1851.

188. Drahtzieher, Nadler und Drahtarbeiter. Beschreibung der Drahtfabrication. Verfertigung der Steck-, Näh-, Strick- und Haarnadeln; der Drahtseile, -stifte, -siebe und anderer Geflechte. Friedrich Harzer. Mit Atlas. 1857.

189. Strassen-, Eisenbahn-, Canal-, Brücken-, Küstendamm-, Deich- und Hafenbau, sowie die Bewässerungsarbeiten. Aus dem Französischen des A. Lixante, von Friedrich Harzer. Mit Atlas. 1857.

190. Lehren der Statik, Dynamik und Hydrostatik, erläutert durch die bekanntesten Maschinen. Anhang: über Gesetze des Lichtes und Schalles. Samuel Nowth. Deutsch von Carl Hartmann. Mit Atlas. 1851.

191. Schweitzer Zuckerbäcker. Anweisung Backwerke und Pastetchen mit Fleisch-, Fisch- und anderer Fülle anzuführen; künstliche Getränke und Gefrorenes darzustellen; Chocolate und feine belebende Getränke zu bereiten. Giacomo Perini. Mit Atlas. 1852.

192. Handbuch für Locomotiven-Führer. Anweisung über die Einrichtung, Behandlung und Führung der Locomotiv-Dampfmaschinen. Aus dem Französischen des E. Flachet, J. Patiet und Andern, von Carl Hartmann. Ergänzungsband. Mit Atlas. 1852.

193. Färberei des glacierten Coburga, satinierten Orleans, der Merinos, Damaske und Lastings, der wollenen Garne, der Flanelle, Napolitaines, Serge, Tücher. Nebst Färberei mitteilt der Grundirmaschine. David Smith. Deutsch von Chr. H. Schmidt. 1852.

194. Kellereiwirtschaft, oder die Behandlung des Weines, Bieres, Ciders, Rums und Atraks in Gebinden und Flaschen im Keller. Chr. Hehr. Schmidt. Mit Atlas. 1852.

195. Kerzen- und Seifen-Fabrication, nach den neuesten Vervollkommnungen dieses Industriezweiges. Chr. Hehr. Schmidt. *Illus.* 1852.

196. Maschinenbauer. Atlas und Beschreibung der Maschinen-Elemente. Ergänzungen zu den Bänden 1 bis 3. Anfertigung der Maschinen-Elemente und Zusammensetzung derselben zu Maschinen. Mit Atlas. 1852. Nach dem Französischen des Le Blanc, von Carl Hartmann. *Illus.* 1852.

197. Handbuch der Photographie auf Metallplatten, Papier und Glas. Nebst Angabe der Erfindungen und der Darstellung der zur Photographie nöthigen Präparate. Nach dem Französischen des Valcourt, Gros & Blanquart-Evrard, von Christ. Hehr. Schmidt. *Illus.* 1852.

Neuer Schauplatz—Continued.

198. Farbwarenkunde und Farbenschemata für Färberei und Zeugdruck. Anweisung, Farbwaren und Säuren, Alkalien, Salze, etc. zu prüfen, ihren nutzbaren Gehalt anzumitteln, und sie aus den besten Quellen zu beziehen. Christ. Hehr. Schmidt. *Illus.* 1852.

199. Wachs-Industrie und -Kunst. Technische und artistische Benutzung und Behandlung des Wachses. Nebst Beschreibung berühmter Wachsfabriken und Wachsbleichereien; auch Fabrication des Wachtuches und -papiers. Chr. Hehr. Schmidt. Mit Atlas. 1853.

200. Schleifen und Poliren der Werkzeuge und Instrumente, ferner auf Stahl, Eisen und anderen Metallen, sowie auf Steinen, Glas, Holz, Horn, Elfenbein etc. Anhang, über Graviren, Aetzen und Damasciren. Nach dem Englischen des Holtsapfel, von Carl Hartmann. *Illus.* 1853.

201. Gutta-Percha und Kautschuk. Ihr Vorkommen, Eigenschaften und Verarbeitung zu verschiedenen Gegenständen. Friedr. Harzer. Mit Atlas. 1853.

202. Fabrication der Portefeuilles, Etuis und Leder-galanteriewaaren. Nebst Anweisung zum Spalten, Färben, Glätten und Appretiren des Leders; Vergolden und Blindpressen der Stoffe; Fabrication des Reliefseders; Behandlung der Maschinen und Instrumente. Anhang, über den Einfluss der Portefeuilles Fabrication auf die Buchbinderel. A. Kirch. Mit Atlas. 1853.

203. Erhaltung und Restauration der Gemälde. Elemente der Kunst des Restaurateurs; historische Angaben des mechanischen Theils der Malerkunst, Aufstellung aller Schulen; Nachrichten über einige grosse Meister. Horst Dönn. Deutsch von A. W. Hertel. 1853.

204. Haus- und Stubenmaler und Firmaschreiber. Aus dem Englischen von Emanuel Schreiber. 1853.

205. Papierfabrication, wie sie in England, Frankreich, Deutschland, Holland, Belgien und der Schweiz betrieben wird. Ergänzung aller Werke über Papierfabrication. Nach Gabriel Planche, von Dr. Carl Hartmann. Mit Atlas. 1854.

206. Handbuch der Steinarbeiten. Kunst Steine und Schiefer zu gewinnen und mit der Hand und mit Maschinen zu bearbeiten. Anhang über künstliche Steinmassen. Carl Hartmann. *Illus.* 1854.

207. Kunst des Staffmalers, Vergolders, Lackirers und Farbenfabricanten. 2te Aufl. Nach M. Walin und F. Bourgeois, von A. W. Hertel. 1854.

208-211. Orgelbaukunst, nach den besten Methoden und begründet auf mathematische und physikalische Gesetze. 1ster Theil: Orgelbau, ihre Zusammensetzung; besonderer Aufweis in neuem und älterem Baustyl; Verfertigung der Windladen. Anlage der Mechanik, der Blügel; Verfertigung und Aufstellung der

Neuer Schauplatz—Continued.

- Pfeifwerks; Intonation und Stimmung. Construction expressiver Orgeln; Art alte Orgeln zu repariren, mit Stimmen vermehren. 2ter Theil: Theorie der Orgelbaukunst. Beschreibung der Erfindungen und Verbesserungen. J. G. Töpfer. 1855.
212. Feuerungs-, Erwärmungs- und Ventilations-Anlagen. Nebst Heizung mit Leuchtgas, Wasserstoffgas. Übersicht der üblichen Heiz- und Kochapparate. Ergänzung zu "Grundsätzen der Feuerungskunde". Nach E. Péciot, von Carl Hartmann. *Illus.* 1854.
213. Saffianfabrication in England, Frankreich und Deutschland. Auch Beschreibung der Geräthe, Werkzeuge und Maschinen. Chr. H. Schmidt. *Illus.* 1854.
214. Glockengießerei, mit ihren Nebenarbeiten, nach ihrem jetzigen Zustande. Friedrich Harzer. *Illus.* 1854.
215. Branntweinbrennereibetrieb, besonders in Beziehung auf Spirituserzeugung aus Getreide, Kartoffeln, Runkelrüben und -melasse, mittelst Apparaten und Dampfmaschinen. Chr. Heinr. Schmidt. *Illus.* 1854.
216. Münzkunst. Medaillen-Prägen, Graviren und Stempelschneiden. Friedrich Harzer. Mit Atlas. 1855.
217. Weingerberei. Fabrication des Riemer- und Zengleders; des Ungarischen, Französischen, Brüsseler und Erlanger Leders. Sämisch- und Pergamentgerberei und Leimsiederel. Chr. Heinr. Schmidt. *Illus.* 1854.
218. Handbuch der Photographie auf Metallplatten, Papier und Glas. Angabe der neuesten Erfindungen und Darstellung der Präparate zur Photographie. Nach dem Französischen des Valcourt, Gros und Anderu, von Chr. Heinr. Schmidt. 2ter Theil. *Illus.* 1854.
219. Fabrication der künstlichen Blumen nebst der Federschmückerei. Em. Schreiber. Mit Atlas. 1855.
220. Handbuch der Buchdruckerkunst. Nach ihrem neuesten Standpunkte in Deutschland. C. A. Franke. 1855.
221. Runkelrüben-Branntweinbrennerei, als das sicherste Mittel für den Landwirth, wohlfeiles Fleisch und Brod, und wohlfeilen Dünger zu erzeugen. Nach dem Französischen des A. Payen, von Chr. Heinr. Schmidt. Mit Atlas. 1855.
222. Dreh- und Repetirpistolen, oder Revolvers, ihre Vergangenheit, Gegenwart und Zukunft, nebst den Grundsätzen über das Schlessen mit diesen Waffen. Nach dem Französischen des Anquetil, von Christ. Heinr. Schmidt. *Illus.* 1855.
223. Wasser-Mahlmühlen-Bau. Construction der Räderwerke und Gerinne, im Mühlenbau, mit besonderer Beziehung auf Wasser-Mahlmühlen. Lehre über das Momen der Wassermengen in Flüssen, Canälen und prismatischen Behältern. Adolf Lohmann. *Illus.* 1856.
224. Stationäre und locomobile Dampfmaschinen und Dampfkeessel, Beschreibung, Wartung,

Neuer Schauplatz—Continued.

- Reparatur und Führung derselben; Berechnung ihrer Leistungsfähigkeit. Friedrich Neumann. Mit Atlas. 1869.
225. Rothpapp- und Dampfarbendruck. Anweisung, baumwollene Stoffe in allen Farben zu färben und drucken; Angabe Tafelfarben anzufertigen. J. A. Diedtmann. 1855.
226. Rauchverzehrende Oefen. Beschreibung der Apparate und Mittel zur Verhinderung der Bildung und zur Beförderung der Verbrennung des Rauches. Ergänzung zur Péciot's "Feuerungskunde" und Grouvelle's "Dampfmaschinenkunde". Carl Hartmann. *Illus.* 1855.
227. Fabricant von Kautschuk- und Guttapercha-Waaren, Verfertigung wasserdichter Zeuge von Wachstuch und lackirtem Leder; auch Gegenstände aus künstlichem Gummi. Chr. Heinr. Schmidt. Mit Atlas. 1855.
228. Lehre von electricischen Telegraphen, ihrer Geschichte, Beschaffenheit, Einrichtung, den wichtigsten Arten und ihres Betriebes. Nebst Belehrung über Erregung, Leitung und Geschwindigkeit des electricischen Stromes. Nach Dionysius Lardner, von Carl Hartmann. Mit Atlas. 1856.
229. Anlegung der Blitzableiter zu sicherem Schutze. Nach Gay-Lussac und Pouillet von Christ. Heinr. Schmidt. Mit Atlas. 1856.
230. Verschiedene Substanzen welche zur Beleuchtung angewendet werden. Ihre Gewinnung, Zubereitung und ihr Nutzeffect. Chr. Heinrich Schmidt. Mit Atlas. 1856.
231. Waagen und ihre Construction. Nebst Anhang über die Gewichtssysteme verschiedener Länder und deren Vergleichung mit dem französischen metrischen Gewicht. Carl Hartmann. *Illus.* 1856.
232. Neueste Fortschritte in der Saftgewinnung aus Runkelrüben, für Zuckerfabrication und Branntweinbrennerei. Nebst Aufbewahrung der Runkelrübenrückstände in ihrem Futterwerth. Chr. H. Schmidt. *Illus.* 1856.
233. Brunnen-Ingenieur. Die Wissenschaft, nach leichtem und sicherem Systeme, an allen Oertlichkeiten, Brunnen anzulegen. Nach J. Dumas. Chr. Heinr. Schmidt. Mit Atlas. 1857.
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— See, also, BELGIUM.

CANADA. Patents of Canada. 2 v. 1894-55. v. 1, Specifications Nos. 1-250, 1894-99; v. 2, Specifications Nos. 250-499, 1899-55.

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2.	3944-4129. 1874.
3.	4130-5405. 1875.
4.	5406-6784. 1876—.

— See, also, CANADA.

FRANCE. Descriptions des machines et procédés consignés dans les brevets d'invention de perfectionnement et d'importation. 1^{re} série, T. 1-93, 1791-1844. Texte, 4^o; pl., fol. 2^e série, loi de 1844. T. 1-57, 1844-63. 2^e classes. Texte, 4^o; pl., fol. 3^e série, T. 1-11, 1871-74. Texte et pl., 4^o. [In all these series, the plates are bound separately; in the 1st, 2 v. in 1.]

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— Specifications of letters patent for inventions. Text, Nos. 1-14,359; plates, Nos. 169-14,359. Text, v. 1-408, imp. 8°. Plates, v. 3, 4, 6-408, fol. [Text and plates bound separately, and plates mounted on muslin. No plates to v. 1, 2, and 5.]

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345	12854-12873	1849
346	12874-12895	1849
347	12896-12904	1849
348	12905-12933	1849
349	12934-12951	1849-1850
350	12952-12967	1850
351	12968-12994	1850
352	12995-13013	1850
353	13014-13031	1850
354	13032-13056	1850
355	13057-13070	1850
356	13071-13101	1850
357	13102-13134	1850
358	13135-13153	1850
359	13154-13173	1850
360	13174-13203	1850
361	13204-13224	1850
362	13225-13253	1850
363	13254-13267	1850
364	13268-13289	1850
365	13290-13317	1850
366	13318-13331	1850
367	13332-13362	1850
368	13363-13398	1850
369	13399-13415	1850
370	13416-13443	1850-1851
371	13444-13461	1851
372	13462-13479	1851
373	13480-13510	1851
374	13511-13533	1851
375	13534-13554	1851

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377	13577-13598	1851
378	13599-13627	1851
379	13628-13637	1851
380	13638-13652	1851
381	13653-13686	1851
382	13687-13704	1851
383	13705-13727	1851
384	13728-13736	1851
385	13737-13757	1851
386	13758-13781	1851
387	13782-13795	1851
388	13796-13819	1851
389	13820-13843	1851
390	13844-13869	1851
391	13870-13879	1851
392	13880-13885	1851
393	13886-13890	1851-1852
394	13891-13916	1852
395	13917-13935	1852
396	13936-13985	1852
397	13986-14034	1852
398	14035-14074	1852
399	14075-14105	1852
400	14106-14136	1852
401	14137-14165	1852
402	14166-14186	1852
403	14186-14203	1852
404	14204-14239	1852
405	14240-14265	1852
406	14266-14287	1852
407	14288-14319	1852
408	14320-14359	1852

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1	1- 71	10	575- 641
2	72- 130	11	642- 717
3	131- 204	12	718- 780
4	205- 244	13	781- 851
5	245- 294	14	852- 938
6	295- 347	15	939-1022
7	348- 428	16	1023-1115
8	429- 488	17	1116-1277
9	489- 574		

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1	1- 72	18	1272-1352
2	73- 146	19	1353-1414
3	147- 225	20	1415-1464
4	226- 298	21	1465-1566
5	299- 403	22	1567-1620
6	404- 471	23	1621-1707
7	472- 559	24	1708-1778
8	560- 624	25	1779-1871
9	625- 698	26	1872-1937
10	699- 764	27	1938-1988
11	765- 838	28	1989-2054
12	839- 859	29	2055-2141
13	900- 978	30	2142-2206
14	979-1048	31	2207-2269
15	1049-1127	32	2270-2341
16	1128-1190	33	2342-2411
17	1191-1271	34	2412-2479

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36	2549-2618	40	2841-2914
37	2619-2713	41	2915-2991
38	2714-2774	42	2992-3045

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2	108- 197	20	1484-1558
3	198- 264	21	1559-1663
4	265- 327	22	1664-1744
5	328- 402	23	1745-1835
6	403- 494	24	1836-1910
7	495- 570	25	1911-2000
8	571- 655	26	2001-2071
9	656- 714	27	2072-2123
10	715- 798	28	2124-2216
11	799- 869	29	2217-2278
12	870- 957	30	2279-2345
13	958-1030	31	2346-2440
14	1031-1109	32	2441-2504
15	1110-1195	33	2505-2600
16	1196-1276	34	2601-2676
17	1277-1358	35	2677-2764
18	1359-1425		

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2	85- 201	21	1656-1763
3	202- 290	22	1764-1861
4	291- 357	23	1862-1941
5	358- 430	24	1942-2009
6	431- 521	25	2010-2077
7	522- 634	26	2078-2164
8	635- 691	27	2165-2245
9	692- 752	28	2246-2328
10	753- 854	29	2329-2397
11	855- 936	30	2398-2482
12	937-1035	31	2483-2529
13	1036-1106	32	2530-2622
14	1107-1190	33	2623-2697
15	1191-1270	34	2698-2785
16	1271-1340	35	2786-2859
17	1341-1430	36	2860-2917
18	1431-1500	37	2918-2958
19	1501-1588		

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2	70- 120	21	1627-1694
3	121- 208	22	1695-1787
4	209- 301	23	1788-1860
5	302- 374	24	1861-1967
6	375- 467	25	1968-2063
7	468- 342	26	2064-2151
8	343- 630	27	2152-2235
9	631- 703	28	2236-2327
10	704- 788	29	2328-2407
11	789- 885	30	2408-2478
12	886- 989	31	2479-2578
13	990-1061	32	2579-2622
14	1062-1142	33	2623-2773
15	1143-1218	34	2774-2858
16	1219-1291	35	2859-2953
17	1292-1384	36	2954-3036
18	1385-1448	37	3037-3106
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2	129-235	20	1682-1789	20	1648-1723	2	92-200
3	236-319	21	1789-1874	21	1724-1776		
4	313-403	22	1875-1966	22	1777-1886		
5	401-480	23	1967-2053	23	1887-1944		
6	481-552	24	2054-2150	24	1945-2015		
7	553-613	25	2151-2240	25	2016-2083		
8	614-710	26	2241-2330	26	2084-2159		
9	711-794	27	2331-2387	27	2160-2233		
10	795-910	28	2388-2473	28	2234-2322		
11	911-1003	29	2474-2554	29	2323-2373		
12	1004-1080	30	2555-2630	30	2374-2466		
13	1081-1161	31	2631-2720	31	2467-2533		
14	1162-1271	32	2721-2818	32	2534-2623		
15	1272-1362	33	2819-2907	33	2624-2714		
16	1363-1437	34	2908-3002	34	2715-2829		
17	1438-1534	35	3003-3115	35	2830-2904		
18	1535-1630	36	3116-3200	36	2905-3000		

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6	407-504	23	1793-1892
7	505-585	24	1893-1966
8	586-672	25	1967-2070
9	673-733	26	2071-2154
10	734-804	27	2155-2237
11	805-870	28	2238-2306
12	871-952	29	2307-2410
13	953-1083	30	2411-2504
14	1084-1114	31	2505-2593
15	1115-1217	32	2594-2684
16	1218-1270	33	2685-2766
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18	1357-1434	35	2858-2941
19	1435-1520	36	2942-3022
20	1521-1601	37	3023-3128
21	1602-1711	38	3129-3196

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2	112-205	22	1818-1901
3	206-288	23	1902-1943
4	289-394	24	1944-2026
5	395-505	25	2027-2121
6	506-596	26	2122-2231
7	597-715	27	2232-2385
8	716-725	28	2386-2462
9	726-821	29	2463-2423
10	822-891	30	2424-2511
11	892-981	31	2512-2569
12	982-1063	32	2570-2663
13	1064-1133	33	2664-2752
14	1134-1220	34	2753-2821
15	1221-1295	35	2822-2898
16	1296-1373	36	2899-2990
17	1374-1457	37	2991-3090
18	1458-1530	38	3091-3193
19	1531-1624	39	3194-3276
20	1625-1739		

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2	71-164	23	1691-1767
3	165-253	24	1768-1857
4	254-357	25	1858-1949
5	358-449	26	1943-2023
6	450-552	27	2024-2104
7	553-603	28	2105-2171
8	604-711	29	2172-2290
9	712-750	30	2291-2374
10	751-777	31	2375-2448
11	778-874	32	2449-2531
12	875-948	33	2532-2637
13	949-1048	34	2638-2713
14	1049-1134	35	2714-2802
15	[Error in numbering.]	36	2803-2876
16	1135-1220	37	2877-2952
17	1221-1296	38	2953-3034
18	1297-1368	39	3035-3115
19	1369-1447	40	3116-3206
20	1448-1538	41	3207-3313
21	1539-1623	42	3314-3397
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3	193- 264		24	1874-1957
4	265- 367		25	1958-2043
5	368- 490		26	2044-2103
6	491- 592		27	2104-2166
7	593- 653		28	2167-2250
8	654- 736		29	2251-2329
9	737- 825		30	2330-2446
10	826- 903		31	2447-2561
11	904- 991		32	2562-2647
12	992-1068		33	2648-2696
13	1069-1136		34	2697-2768
14	1137-1215		35	2769-2837
15	1216-1250		36	2838-2926
16	1251-1331		37	2927-3005
17	1332-1441		38	3006-3083
18	1442-1510		39	3084-3167
19	1511-1581		40	3168-3232
20	1582-1630		41	3233-3309
21	1631-1711			
		1864.	21	1585-1626
1	1- 87		22	1627-1712
2	88- 136		23	1713-1793
3	137- 203		24	1794-1865
4	204- 282		25	1866-1950
5	283- 368		26	1951-2028
6	369- 452		27	2029-2129
7	453- 544		28	2130-2205
8	545- 622		29	2206-2333
9	623- 694		30	2334-2449
10	695- 790		31	2450-2554
11	791- 850		32	2555-2644
12	851- 944		33	2645-2731
13	945-1032		34	2732-2831
14	1033-1126		35	2832-2917
15	1127-1205		36	2918-3008
16	1206-1267		37	3009-3099
17	1268-1346		38	3100-3163
18	1347-1425		39	3164-3210
19	1426-1494		40	3211-3260
20	1495-1584			
		1865.	22	1747-1816
1	1- 100		23	1817-1903
2	101- 172		24	1904-1974
3	173- 264		25	1975-2049
4	265- 365		26	2050-2137
5	366- 431		27	2138-2228
6	432- 526		28	2229-2312
7	527- 608		29	2313-2394
8	609- 690		30	2395-2453
9	691- 778		31	2454-2534
10	779- 841		32	2535-2626
11	842- 924		33	2627-2708
12	925-1094		34	2709-2771
13	1025-1076		35	2772-2835
14	1077-1177		36	2836-2926
15	1178-1239		37	2927-2999
16	1240-1300		38	3000-3066
17	1301-1380		39	3067-3142
18	1381-1468		40	3143-3221
19	1469-1562		41	3222-3290
20	1563-1646		42	3291-3386
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2	105- 168		23	1843-1906
3	169- 249		24	1937-2016
4	250- 319		25	2017-2129
5	320- 417		26	2130-2190
6	418- 475		27	2191-2259
7	476- 577		28	2260-2363
8	578- 676		29	2364-2424
9	677- 784		30	2425-2502
10	785- 849		31	2503-2558
11	850- 947		32	2559-2646
12	948-1038		33	2647-2720
13	1039-1136		34	2721-2801
14	1137-1200		35	2802-2885
15	1201-1300		36	2886-2985
16	1301-1382		37	2986-3064
17	1383-1451		38	3065-3149
18	1452-1526		39	3150-3224
19	1527-1593		40	3225-3297
20	1594-1681		41	3298-3395
21	1682-1772		42	3396-3453
		1867.	24	1899-1966
1	1- 79		25	1967-2057
2	80- 177		26	2058-2123
3	178- 270		27	2124-2207
4	271- 353		28	2208-2264
5	354- 417		29	2265-2350
6	418- 495		30	2351-2432
7	496- 574		31	2433-2515
8	575- 653		32	2516-2587
9	654- 761		33	2588-2698
10	762- 841		34	2699-2776
11	842- 918		35	2777-2870
12	919-1009		36	2871-2914
13	1010-1075		37	2915-2990
14	1076-1138		38	2991-3055
15	1139-1247		39	3056-3139
16	1248-1328		40	3140-3211
17	1329-1391		41	3212-3297
18	1392-1456		42	3298-3345
19	1457-1532		43	3346-3432
20	1533-1620		44	3433-3526
21	1621-1728		45	3527-3621
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23	1805-1898			
		1868.	19	1470-1548
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2	90- 166		21	1629-1692
3	167- 238		22	1693-1771
4	239- 320		23	1772-1894
5	321- 360		24	1895-1982
6	361- 443		25	1983-2053
7	444- 536		26	2054-2119
8	537- 637		27	2120-2183
9	638- 722		28	2184-2263
10	723- 800		29	2264-2363
11	801- 888		30	2364-2429
12	889- 981		31	2430-2505
13	982-1068		32	2506-2599
14	1069-1153		33	2600-2667
15	1154-1200		34	2668-2752
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40	3147-3233	47	3713-3797
41	3234-3315	48	3798-3856
42	3316-3329	49	3857-3914
43	3390-3470	50	3915-3991
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1	1- 99	24	1921-2018
2	100- 173	25	2019-2102
3	174- 261	26	2103-2206
4	262- 361	27	2207-2304
5	362- 468	28	2305-2416
6	469- 558	29	2417-2482
7	559- 628	30	2483-2539
8	629- 727	31	2540-2620
9	728- 805	32	2621-2699
10	806- 889	33	2700-2792
11	890- 943	34	2793-2906
12	944-1003	35	2907-2935
13	1004-1196	36	2936-3055
14	1097-1208	37	3056-3114
15	1209-1312	38	3115-3211
16	1313-1364	39	3212-3269
17	1365-1430	40	3270-3339
18	1431-1494	41	3340-3399
19	1495-1583	42	3400-3473
20	1584-1676	43	3474-3561
21	1677-1732	44	3562-3628
22	1733-1840	45	3629-3706
23	1841-1920	46	3707-3786
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1	1- 64	24	1814-1893
2	65- 160	25	1894-1948
3	161- 242	26	1949-2050
4	243- 315	27	2051-2138
5	316- 400	28	2139-2229
6	401- 482	29	2230-2306
7	483- 556	30	2307-2352
8	557- 596	31	2353-2407
9	597- 669	32	2408-2473
10	670- 737	33	2474-2559
11	738- 809	34	2560-2623
12	810- 917	35	2624-2690
13	918- 977	36	2691-2763
14	978-1069	37	2764-2836
15	1070-1161	38	2837-2903
16	1162-1251	39	2904-3015
17	1252-1324	40	3016-3067
18	1325-1421	41	3068-3144
19	1422-1513	42	3145-3215
20	1514-1594	43	3216-3282
21	1595-1665	44	3283-3349
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2	70- 149	9	577- 644
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20	1418-1490	35	2657-2740
21	1491-1564	36	2741-2820
22	1565-1646	37	2821-2903
23	1647-1716	38	2904-3002
24	1717-1797	39	3003-3077
25	1798-1866	40	3078-3172
26	1867-1952	41	3173-3257
27	1953-2048	42	3258-3339
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3	174- 270	29	2255-2335
4	271- 356	30	2336-2411
5	357- 418	31	2412-2487
6	419- 490	32	2488-2568
7	491- 580	33	2564-2619
8	581- 668	34	2620-2679
9	669- 755	35	2680-2753
10	756- 828	36	2754-2837
11	829- 910	37	2838-2918
12	911- 974	38	2919-2993
13	975-1068	39	2994-3057
14	1069-1152	40	3058-3141
15	1153-1226	41	3142-3237
16	1227-1345	42	3238-3298
17	1346-1434	43	3299-3360
18	1435-1519	44	3361-3439
19	1520-1598	45	3440-3540
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21	1660-1736	47	3606-3685
22	1737-1817	48	3686-3760
23	1818-1904	49	3761-3819
24	1905-1961	50	3820-3884
25	1962-2030	51	3885-3970
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3	167- 251	23	1758-1824
4	252- 336	24	1825-1899
5	337- 402	25	1900-1977
6	403- 489	26	1978-2052
7	490- 574	27	2053-2140
8	575- 664	28	2141-2225
9	665- 749	29	2226-2299
10	750- 851	30	2290-2394
11	852- 936	31	2395-2463
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15	1159-1245	35	2704-2786
16	1246-1307	36	2787-2843
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Abridgments of, from the earliest enrolled to 1866.
In classes and chronologically arranged.

List of abridgments.

1. Drains and sewers; including the manufacture of drain tiles and pipes.
2. Sewing and embroidering. 2d ed.
3. Manure.
4. Preservation of food. Part I, 1601-1853. Part II, 1856-1866.
5. Marine propulsion. Parts I, II, and III, 1618-1857. Part IV, 1857-1866.
6. Manufacture of iron and steel. Parts I, II, and III, 1621-1857. Part IV, 1857-1865.
7. Aids to locomotion.
8. Steam culture.
9. Watches, clocks, and other time-keepers. Part I, 1661-1856. Part II, 1857-1866.
10. Fire-arms and other weapons, ammunition, and accoutrements. Part I, 1588-1858. Part II, 1858-1866.
11. Paper, manufacture of paper, pasteboard, and papier mâché. Part I, 1665-1857. Part II, 1858-1866.

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12. Paper cutting, folding, and ornamenting, including envelopes, cards, paper-hangings, etc.
13. Typographic, lithographic, and plate printing. Part I, 1617-1857. Part II, 1858-1861.
14. Bleaching, dyeing, and printing yarns and fabrics. Part I, 1617-1857. Part II, 1858-1866.
15. Electricity and magnetism, their generation and applications. Part I, 1766-1857. Part II, 1858-1866. 2d ed.
16. Preparation of India rubber and gutta percha. 2d ed.
17. Production and applications of gas. Part I, 1621-1858. Part II, 1859-1866. 2d ed.
18. Metals and alloys.
19. Photography. Part I, 1839-1859. Part II, 1860-1866. 2d ed.
20. Weaving. Part I, 1620-1839. Part II, 1860-1866.
21. Ship building, repairing, sheathing launching, etc. Part I, 1618-1860. Part II, 1861-1866.
22. Bricks and tiles. Part I, 1619-1860. Part II, 1861-1866.
23. Plating or coating metals with metals. Part I, 1637-1860. Part II, 1861-1866. 2d ed.
24. Pottery. Part I, 1696-1861. Part II, 1862-1866.
25. Medicine, surgery, and dentistry, 1620-1866. 2d ed.
26. Music and musical instruments. 2d ed.
27. Oils, fats, lubricants, candles, and soaps. 2d ed.
28. Spinning; including the preparation of fibrous materials, and the doubling of yarns and threads. Part I, 1624-1863. Part II, 1864-1866.
29. Lace and other looped and netted fabrics.
30. Preparation and combustion of fuel.
31. Raising, lowering, and weighing. 2d ed.
32. Hydraulics. 2d ed.
33. Railways. 2d ed.
34. Saddlery, harness, stable fittings, etc.
35. Roads and ways.
36. Bridges, viaducts, and aqueducts.
37. Writing instruments and materials.
38. Railway signals and communicating apparatus.
39. Furniture and upholstery.
40. Acids, alkalies, oxides, and salts.
41. Aeronautics.
42. Preparation and use of tobacco.
43. Books, portfolios, card-cases, etc.
44. Lamps, candlesticks, chandeliers, and other illuminating apparatus.
45. Needles and pins.
46. Carriages and other vehicles for railways.
47. Umbrellas, parasols, and walking sticks.
48. Sugar.
49. Steam engine. Part I (in two volumes), 1618-1859. Part II (in two volumes), 1860-1866.
50. Paints, colours, and varnishes. 1618-1866.
51. Toys, games, and exercises.

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52. Ventilation.
53. Farriery, including the medical and surgical treatment of animals.
54. Artists' instruments and materials. 1618-1866.
55. Skins, hides, and leather.
56. Preparing and cutting cork, bottling liquids, securing and opening bottles, etc.
57. Brushing and sweeping.
58. Nails, rivets, bolts, screws, nuts, and washers.
59. Hinges, hinge-joints, and door-springs.
60. Locks, latches, bolts, and similar fastenings.
61. Cooking, bread-making, and the preparation of confectionery.
62. Air, gas, and other motive-power engines.
63. Water closets, earth closets, urinals, etc.
64. Safes, strong rooms, tills, and similar depositories.
65. Wearing apparel. Division I. Head coverings.
66. Wearing apparel. Division II. Body coverings.
67. Wearing apparel. Division III. Foot coverings.
68. Wearing apparel. Division IV. Dress fastenings.
69. Anchors.
70. Metallic pipes and tubes.
71. Mining, quarrying, tunnelling, and well-sinking. 1618-1866.
72. Milking, churning, and cheese-making.
73. Masts, sails, rigging, etc.; including apparatus for raising and lowering ships' boats.
74. Casks and barrels.
75. Steering and manœuvring vessels.
76. Optical, mathematical, and other philosophical instruments; including nautical, astronomical, and meteorological instruments.
77. Harbours, docks, canals, etc.
78. Grinding grain, and dressing flour and meal.
79. Purifying and filtering water.
80. Artificial leather, floorcloth, oilcloth, oilskin, and other waterproof fabrics.
81. Agriculture. Division I. Field implements (including methods of tilling and irrigating land).
82. Agriculture. Division II. Barn and farm-yard implements (including the cleaning, drying, and storing of grain).
83. Agriculture. Division III. Agricultural and traction engines.
84. Trunks, portmanteaus, boxes, and bags.
85. Ice-making machines, ice safes, and ice houses (including the use of freezing agents for preserving alimentary substances).
86. Unfermented beverages, aerated liquids, mineral waters, etc.
87. Tea, coffee, chicory, chocolate, cocoa, etc.
88. Fire engines, extinguishers, escapes, alarms, etc., including fire proof dresses and fabrics.

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 — Descriptive, 1867-1875. 9 v.
 — Reference, 1617-1852. 1 v.
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[1a serie.]

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— Reports of the commissioners of patents, 1837-1871. 1837-42, in 1 v.; 1843-53, 1 v. each year; from 1854, illustrations published separately, making 2 to 4 v. a year. Numbering of patents begins with year 1843, at No. 2901; to 122,303, 1871.

— Specifications of patents from Apr. 10, 1790, to July 17, 1877, v. 1-708; No. 1-193,310. In ms. from v. 1-209. Apr. 10, 1790, to Nov. 18, 1866. Drawings published with text since 1864. Releases, v. 1-26; from v. 22, drawings separate. Designs, v. 1-21. Trademarks, v. 1-10. [The specifications are deposited in the record room.]

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— Patents and patentees. v. 1-8, 1867-73. Specifications Nos. 1-1861.

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— Digest of, issued by the United States from 1790 to 1841. *See UNITED STATES. Interior dept. Patent office.*

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— Digest of United States, for paving and roofing compositions. *See Sinsabaugh, L. W.*

— Digest of United States, for sewing machine attachments. *See Gregory, George W.*

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- Exposition of the rights of patentees of various sewing machines, and of the rights of the public. See **Singer**, Isaac M., and co.
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- Informe de la oficina de patentes de invencion, 1867. See **BUENOS AYRES**.
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- Inventor's and patentee's guide. See **Reigart**, J. Franklin.
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- and politics. See **Bagehot**, Walter.
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- Physico-mechanical experiments on various subjects; containing an account of surprising phenomena touching light and electricity, producible by the attrition of bodies. See **Hauksbee**, F.
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